

605.04.05 Reflective Delineators will be measured and paid for at the Contract unit price per each.

SECTION 606 — PERMANENT TRAFFIC BARRIER END TREATMENTS

606.01 DESCRIPTION. This work shall consist of furnishing, and installing permanent traffic barrier end treatments as specified in the Contract Documents or as directed by the Engineer.

606.02 MATERIALS. Refer to 605.02 and the following:

End Treatments and Spare Parts Packages	As specified by the manufacturer
Hazard Marker	As approved by the Office of Traffic and Safety (OOTS)
Plastic Barrels	As approved by OOTS
Sand	901.01
Graded Aggregate Base	901.01
Bank Run Gravel Base	901.01
Common Borrow	916.01.04
Topsoil	920.01

606.03 CONSTRUCTION.

606.03.01 End Treatments.

- (a) **Type A System.** The Type A Systems (single and double rail) shall have the ends of the traffic barrier, the end anchorage terminal, and the rub rail when required, buried in a cut slope. The slope shall be excavated to install these components. Upon installation the area shall be backfilled to match the adjacent slope, compacted, seeded, mulched, and soil stabilization matting installed as directed by the Engineer. The single rail system shall use 6 ft posts throughout the entire end treatment. The double rail system shall use 8 ft posts throughout the entire end treatment except for the last three posts buried in the cut slope.

The Contractor shall select Option 1 or 2 from the Standard for constructing the end anchorage terminal.

Installation of traffic barrier W beam shall conform to 605.03.

- (b) **Type B System.** This system shall be installed in conformance with the manufacturer's recommendations.

- (c) **Type C, D, E, and F.** These systems are not designed to be curved, and shall be installed in a straight line unless otherwise specified by the manufacturer and approved by the Engineer. For installation methods and procedures, refer to the manufacturer's recommendations.
- (d) **Nose Section.** The nose section on the traffic barrier end treatment shall be reflectorized as approved by OOTS.
- (e) **Finish Coat.** Traffic barrier end treatments attached to W beam traffic barrier shall have the same finish coat. Refer to 605.03.05.
- (f) **Sand Filled Plastic Barrels (SFPB).** The components, assembly, placing configuration, and filling of the individual standard yellow plastic barrels with varying weights of sand shall conform to the manufacturer's recommendations or as specified in the Contract Documents. Each SFPB shall be watertight and separated from all other SFPB by a distance of 3 in. The distance between the last row of SFPB and the object being shielded shall be 12 in.

The first barrel of the SFPB configuration shall be reflectorized as specified in the Contract Documents.

All sand to be placed in the barrels shall be dry and loose. Bags of sand are prohibited. An antifreeze agent shall be added to the sand in conformance with the manufacturer's recommendations.

606.03.02 Surface Adjustment. When surface adjustment is required for installation of Type B, C, D, E, and F end treatments as specified on the Standards or in the Contract Documents, the Contractor shall use any class of excavation available on the project. When excavation is not available on the project site, the surface adjustment for end treatments shall be constructed using bank run gravel base, graded aggregate base, common borrow, or topsoil. The surface adjustment shall be completed within 48 hours.

606.03.03 Transitions to Existing Structures. When transitions to existing structures or traffic barriers are required, the work shall be as recommended by the manufacturer of the specified end treatment.

606.04 MEASUREMENT AND PAYMENT. The payment will be full compensation for all excavation, fabrication of all component parts, transitions to barriers, reflectorization, backfill, restoration of grassed or paved areas, seed and mulch, soil stabilization matting, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Traffic Barrier End Treatments will be measured and paid for at the Contract unit price for the pertinent end treatments listed below.

Removal of the existing end treatment to be replaced will not be measured but the cost will be incidental to the Contract unit price for the respective end treatments.

606.04.01 Type A Traffic Barrier End Treatments (Single and Double Rail) will be measured and paid for as follows:

- (a) Traffic Barrier W Beam per linear foot for the actual number of linear feet measured to centers of posts. When a double rail installation is required, each rail will be measured and paid for at the Contract unit price per linear foot for Traffic Barrier W Beam.
- (b) End Anchorage Terminals will be measured and paid for at the Contract unit price per each.

606.04.02 Type B through J Traffic Barrier End Treatments per each.

606.04.03 Surface adjustment for Types B, C, D, E, and F end treatments will be measured and paid for at the Contract unit price per cubic yard for the Surface Adjustment for Traffic Barrier End Treatment item. The payment will be full compensation for furnishing, adjusting embankment or aggregate material, compaction, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

606.04.04 Permanent Crash Cushion Sand Filled Plastic Barrels will be measured and paid for at the Contract unit price per barrel. The payment will be full compensation for all furnishing, placing, excavation, sand, antifreeze agent, machinery, labor, equipment, tools, and incidentals necessary to complete the work.

606.04.05 Repairs.

- (a) Traffic Barrier End Treatment Spare Parts Package furnished and installed will be measured and paid for at the Contract unit price per each for the type specified in the Contract Documents. The payment will be full compensation for the complete furnishing and installation of the spare parts package, complete clearing and removal of debris and damaged unsalvageable parts, and for all material, labor, equipment, tools, and incidentals necessary to construct the end treatment to the configuration specified in the Contract Documents or as directed by the Engineer.
- (b) When spare parts packages are furnished by the Administration, Repairing Traffic Barrier End Treatments will be measured and

paid for at the Contract unit price per each for the type specified in the Contract Documents. The payment will be full compensation for all transportation, installation, reconnection to fixed objects where necessary, complete clearing and removal of debris and damaged unsalvageable parts, and for all material, labor, equipment, tools, and incidentals necessary to construct the end treatment to the configuration specified in the Contract Documents or as directed by the Engineer.

- (c) Payment will not be made for spare parts packages used for end treatments damaged due to the Contractor’s operations as determined by the Engineer.

606.04.06 The application of fusion bonded brown polyester coating, as well as all special handling, will not be measured but the cost will be incidental to the item to which the coating is applied.

SECTION 607 — CHAIN LINK FENCE

607.01 DESCRIPTION. This work shall consist of furnishing and erecting chain link fence as specified in the Contract Documents or as directed by the Engineer.

607.02 MATERIALS.

Concrete Mix No. 2	902.10
Fence Fabric	914.01
Tie Wires, Line Post Clips,	
Tension Wires and Tension Wire Clips	914.02
Posts, Braces, Fittings and Hardware	914.03
Gates	914.04
Barbed Wire	914.05

607.02.01 Type. The height and type of fence shall be as specified in the Contract Documents. When the type of fence is not specified, one of the following types may be used:

- (a) Galvanized steel and malleable iron components.
- (b) Galvanized steel fabric utilizing galvanized steel posts or aluminum line posts.
- (c) Aluminum coated steel fabric utilizing galvanized steel line posts.
- (d) Aluminum coated steel fabric utilizing aluminum line posts.